PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHO	RITY		·	
То:	,		РСТ	
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22/F, Great Eagle Centre, 23 Harbour Road, Wanchai, HONG KONG, P.R. China		WRITTEN OPINION OF THE INTERNATIONAL		
		SEARCHING AUTHORITY		
CHINA PATENT AGENT(I WANGZhongzhong	1.K.) LID	(PCT Rule 43 bis.1)		
WANGZAONZAONZ		Date of mailing	(1 O1 Rule 43 bis.1)	
			2007 (0 8 • 0 2 • 2 0 0 7)	
Applicant's or agent's file reference		FOR FURTHER	ACTION	
FPEL06150026		see paragraph 2 below		
International application No.	International filing d	ate (day/month/year)	Priority date (day/month/year)	
PCT/CN2006/000829	27 April 2006	5 (27.04.2006)		
International Patent Classification (IPC) or	both national classificati	on and IPC		
		0 (2006.01) i		
Applicant				
	INTEL CORF	ORATION et al		
This opinion contains indications relat	ing to the fallening it			
. .	_	is:		
Box No. I Basis of the opini Box No.II Priority	on			
	at of opinion with regard	to novelty inventive	step and industrial applicability	
Box No. IV Lack of unity of i	nvention	to noverty, myemiye	step and industrial applicationly	
Box No. V Reasoned statement	nt under Rule 43bis.1(a)	(i)with regard to nove	lty, inventive step or industrial applicability;	
citations and expla	mations supporting such	statement	, and approximately,	
Box No.VI Certain document				
☐ Box No. VII Certain defects in☐ Box No. VIII Certain observation	the international applica	tion polication		
	ms on the international a	ppncauon		
2. FURTHER ACTION				
international Fleinfilliary Examining A	Number ("IPEA") exc	ept that this does not have the interest of the later.	e considered to be a written opinion of the oot apply where the applicant chooses an emational Bureau under Rule 66.1 bis(b) that	
If this opinion is, as provided above, or IPEA a written reply together, where ap of Form PCT/ISA/220 or before the expi	Drodriate, with amendm	ents before the evolu-	A, the applicant is invited to submit to the ration of 3 months from the date of mailing nichever expires later.	
For further options, see Form PCT/ISA/2				
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3. For further details, see notes to Form PCT/	ISA/220.	•		
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Name and mailing address of the ISA/CN	Date of completion of 1	his opinion	Authorized officer	
The State Intellectual Property Office, the	or completion of t	opinion	Authorized officer	
P.R.China 6 Xitucheng Rd., Jimen Bridge,	24 January 2007	(24.01.2007)	CHENRUVAN	

Telephone No.

Form PCT/ISA/237(cover sheet)(April 2005)

Haidian District, Beijing, China 100088
Facsimile No. 86-10-62019451

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2006/000829

Bo	x No. I	Basis of the opinion	
1.	With re	gard to the language, this opinion has been established on the basis of:	
	☐ a	translation of the international application into, unlished for the purposes of international search (Rules 12.3(a) and 23.1(b)).	which is the language of a translation
2.	With re	gard to any nucleotide and/or amino acid sequence disclosed in the international apon, this opinion has been established on the basis of:	oplication and necessary to the claimed
	a. typ	a sequence listing table(s) related to the sequence listing	
	b. for	mat of material on paper in electronic form	
	c. tim	e of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search	
3. [Ium	ddition, in the case that more than one version or copy of a sequence listing and/or t ished, the required statements that the information in the subsequent or addition ication as filed or does not go beyond the application as filed, as appropriate, were fur	ial conies is identical to that in the
4	Addition	al comments:	
		·	
		227/Roy No. D. (April 2005)	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/CN2006/000829

creations and explanae	nder Rule 43 <i>bis</i> ions supporting	1(a)(i) with regard to novelty, investing the statement	entive step or industrial applicability
1. Statement:			
Novelty (N)	Claims	1-20	YES
	Claims	none	NO NO
Inventive step (IS)	Claims	1-20	YES
	Claims	none	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims	none	NO NO

2. Citations and explanations

(1) Reference is made to the following documents:

D1: US 6665669 B2

D2: US 6816867 B2
(2) The present invention discloses a system based method fot content based-partitioning and mining.

(3) D1 discloses the methods and apparatus and data structures useful for mining databases for frequent items. The invention uses a frequent pattern tree to represent the contents of a database in a manner which is conducive to data mining. The frequent pattern tree tends to be smaller than the original database. A frequent pattern tree can be mined recursively. The frequent pattern tree and associated methods and apparatus of this invention is relatively fast, efficient and scalable and can be used to mine both long and short frequent patterns.

D2 discloses a data mining tool, the data mining tool is described that includes a data structure populator that stores one or more first sets of data selected for querying into a first data structure. The tool also has a query builder that builds at least a first query based, at least in part, on one or more query parameters. Also included in the tool is a query manager that interrogates the first data structure with the first query. The one or more first sets of data are based, at least in part, on experiments using both synthesized probe arrays and spotted probe arrays.

(4) It is obvious that the technical features related to "probe structure" and/or "content-based partitioning logic" in claims 1,10 and 15 aren't disclosed by D1 or D2, and further the technical solutions claimed are not obvious to a person skilled in the art on the basis of D1,D2 or their combination. Thus, claims 1,10 and 15 have novelty under PCT Article 33(2), and have inventive step under PCT Article 33(3).

Claims 2-9 are dependent on claim 1, claims 11-14 are dependent on claim 10 and claims 16-20 are dependent on claim 15, therefore, claims 2-9,11-14,16-20 also meet the requirements of the PCT with respect to novelty and inventive step.

Claims 1-20 have industrial applicability under PCT Article 33(4), because the technical solutions claimed can be made or used in the industry.

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